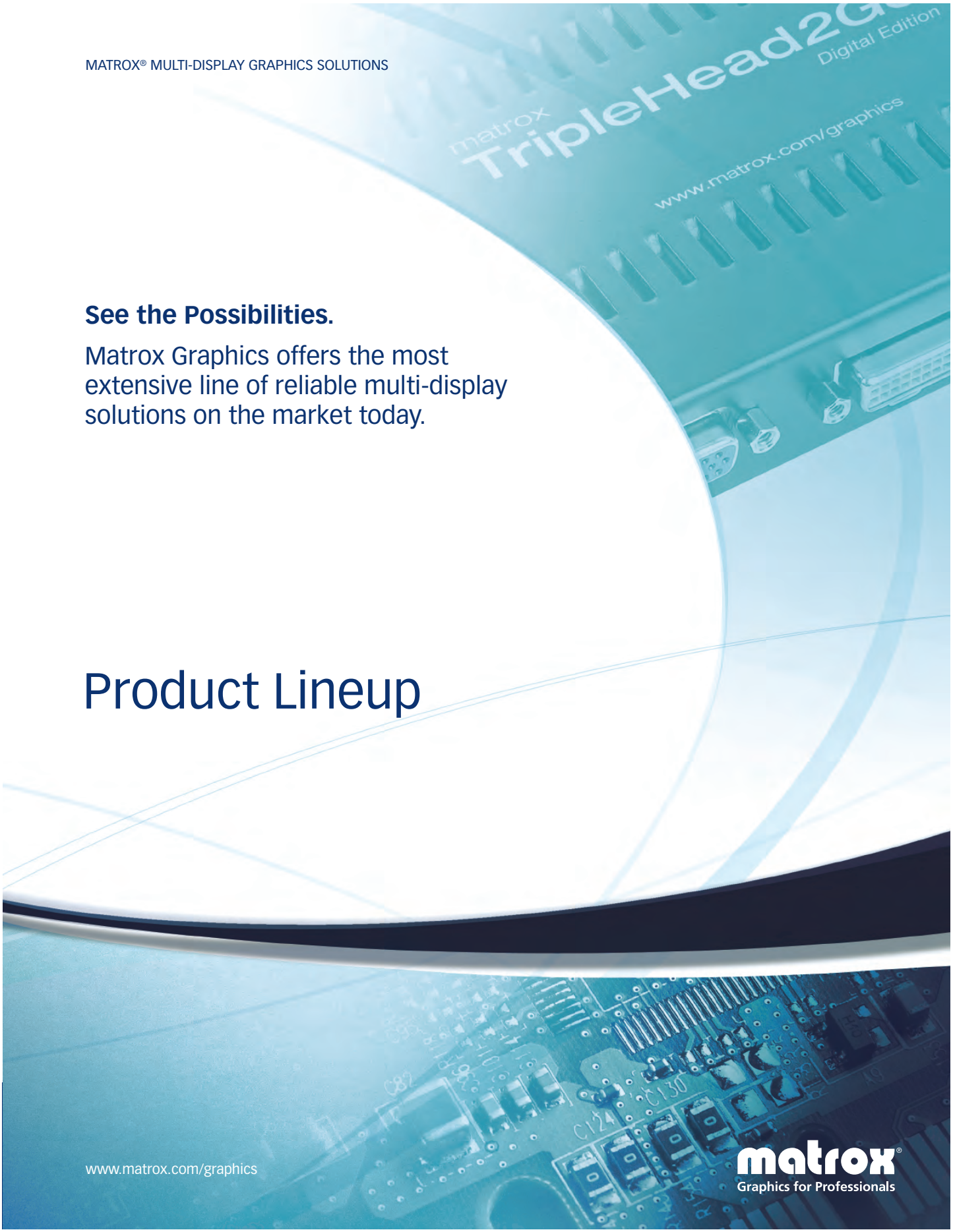
MATROX® MULTI-DISPLAY GRAPHICS SOLUTIONS



See the Possibilities.

Matrox Graphics offers the most extensive line of reliable multi-display solutions on the market today.

Product Lineup

www.matrox.com/graphics

matrox®
Graphics for Professionals

Matrox Multi-Display Graphics Cards

A pioneer in multi-monitor graphics technology, Matrox offers the most extensive line of multi-display graphics solutions — dual, quad and beyond — on the market today. We work hard to deliver the optimal combination of fanless design, low power consumption, best-of-breed 2D image quality, high MTBF and long product life cycles. Our solutions offer flexible multi-display configurations — from stretched to independent, in pivot and clone mode for widescreen and custom monitors — to give you more workspace to see and do more.

Product	Part Number	Max. # of Displays				Card Type	Graphics Memory	Form Factor	On-Board Connectors	Maximum Resolutions (Per Display)			Optional Adapter/Cable Upgrade(s)[2] (sold separately)	
		DisplayPort	DVI	Analog	Total			Card/Bracket		DisplayPort	DVI	Analog	Cable Description	Cable Part Number
M9120 PCIe x16	M9120-E512F	—	2	2	2	PCIe x16	512MB DDR2	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	—	—
M9125 PCIe x16	M9125-E512F	—	2	2	2	PCIe x16	512MB DDR2	ATX / ATX	DVI-I x 2	—	1920x1200 and 2560x1600	2048x1536	—	—
M9120 Plus LP PCIe x16	M9120-E512LPUF	—	2	4[3]	4	PCIe x16	512MB DDR2	LP / LP & ATX	LFH-60	—	1920x1200	2048x1536 (x2) or 1920x1200 (x3, x4)[4]	LFH-60 to 4xHD15 Analog	CAB-L60-4XAF
M9120 Plus LP PCIe x1	M9120-E512LAU1F	—	2	4[3]	4	PCIe x1	512MB DDR2	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2) or 1920x1200 (x3, x4)[4]	LFH-60 to 4xHD15 Analog	CAB-L60-4XAF
M9140 LP PCIe x16	M9140-E512LAF	—	4	4	4	PCIe x16	512MB DDR2	LP / ATX & LP	KX20-100	—	1920x1200	1920x1200	—	—
M9138 LP PCIe x16	M9138-E1024LAF	3	3[11]	—	3	PCIe x16	1GB DDR2	LP / ATX & LP	3 x miniDP	2560x1600	1920x1200	—	DP to DVI-D (DVI Single-Link)	CAB-DP-DVIF
M9148 LP PCIe x16	M9148-E1024LAF	4	4	—	4	PCIe x16	1GB DDR2	LP / ATX & LP	4 x miniDP	2560x1600	1920x1200	—	—	—
P690 PCIe x16	P69-MDDE128F	—	2	2	2	PCIe x16	128MB	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	—	—
P690 PCI	P69-MDDP128F	—	2	2	2	PCI	128MB	ATX / ATX	DVI-I x 2	—	1920x1200	2048x1536	—	—
P690 LP PCIe x16	P69-MDDE128LPF	—	2	2	2	PCIe x16	128MB	LP / LP & ATX	LFH-60	—	1920x1200	2048x1536	LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XD6F
P690 LP PCIe x1	P69-MDDE128LA1F	—	2	2	2	PCIe x1	128MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536	LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XD6F
P690 Plus LP PCIe x16	P69-MDDE256LAUF	—	2	4[3]	4	PCIe x16	256MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2), 1920x1200 (x3, x4)[1, 4]	LFH-60 to 4xHD15 Analog & LFH-60 to 2xDVI-D (6ft)	CAB-L60-4XAF & CAB-L60-2XD6F
P690 Plus LP PCI	P69-MDDP256LAUF	—	2	4[3]	4	PCI	256MB	LP / ATX & LP	LFH-60	—	1920x1200	2048x1536 (x2), 1920x1200 (x3, x4)[1, 4]	LFH-60 to 4xHD15 Analog & LFH-60 to 2xDVI-D (6ft)	CAB-L60-4XAF & CAB-L60-2XD6F
G550 PCIe	G55-MDDE32F	—	2	2	2	PCIe x1	32MB	ATX / ATX	DVI-I x 2	—	1280x1024[1]	2048x1536 (main), 1600x1200 (secondary)	HD15 to 1xSDTV (TV-OUT)	CAB-HD15-TVF
G550 LP PCIe	G55-MDDE32LPDF	—	2	2	2	PCIe x1	32MB	LP / LP & ATX	LFH-60	—	1280x1024[1]	2048x1536 (main), 1600x1200 (secondary)	HD15 to 1xSDTV (TV-OUT) & LFH-60 to 2xDVI-D (6ft)	CAB-HD15-TVF & CAB-L60-2XD6F
G550	G55+MDHA32DSF	—	2	2	2	AGP 4x	32MB	ATX / ATX	DVI-I, HD15	—	1280x1024[1,7]	2048x1536 (main), 1600x1200 (secondary)	HD15 to 1xSDTV (TV-OUT)	CAB-HD15-TVF
G550 LP PCI	G55MDDAP32DSF	—	2	2	2	PCI, 32-bit, 66 MHz	32MB	LP / ATX & LP	LFH-60	—	1280x1024[1,8]	2048x1536 (main), 1600x1200 (secondary)	HD15 to 1xSDTV (TV-OUT) & LFH-60 to 2xDVI-I (1ft) & LFH-60 to 2xDVI-D (6ft)	CAB-HD15-TVF & CAB-L60-2XDF & CAB-L60-2XD6F
G550 Dual DVI	G55MADDA32DSF	—	2	2	2	AGP 4x	32MB	LP / ATX & LP	LFH-60	—	1280x1024[1,8]	2048x1536 (main), 1600x1200 (secondary)	HD15 to 1xSDTV (TV-OUT) & LFH-60 to 2xDVI-I (1ft) & LFH-60 to 2xDVI-D (6ft)	CAB-HD15-TVF & CAB-L60-2XDF & CAB-L60-2XD6F
QID LP PCIe	QID-E128LPAF	—	4	4	4	PCIe x16	128MB	LP / ATX & LP	KX20-100	—	1600x1200[5]	1600x1200[5]	KX20-100 to 4xSDTV (TV-OUT)	CAB-KX20-QTVF
QID Low-profile PCI	QID-P128LPAF	—	4	4	4	PCI, 32-bit, 66 MHz	128MB	LP / ATX & LP	KX20-100	—	1600x1200[5]	1600x1200[5]	KX20-100 to 4xSDTV (TV-OUT)	CAB-KX20-QTVF
QID Pro	QID-P256PROF	—	4	4	4	PCI, 64-bit, 66 MHz	256MB	ATX / ATX	LFH-60 x 2	—	1600x1200[1]	1600x1200[1]	LFH-60 to 2xSDTV & LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XTVF & CAB-L60-2XD6F
QID	QID-QDA8X128F	—	4	4	4	AGP 8x	128MB	ATX / ATX	LFH-60 x 2	—	1600x1200[1]	1600x1200[1]	LFH-60 to 2xSDTV & LFH-60 to 2xDVI-D (6ft)	CAB-L60-2XTVF & CAB-L60-2XD6F

Graphics eXpansion Modules

Add external multi-monitor support to laptops, desktops and workstations. Customers benefit from multi-display computing — without the need to open PC chassis.

Product	Part Number	Max. # of Displays				Connectors	Maximum Resolutions (Per Display)[6]			Hardware Included	Dimensions	Optional Adapter/Cable Upgrade(s)[2] (sold separately)	
		DisplayPort	Digital	Analog	Total		DisplayPort	DVI	Analog			Cable Description	Cable Part Number
DualHead2Go Analog Edition	D2G-A2A-IF	—	—	2	2	VGA x 3 (1 input, 2 outputs) USB x 1	—	—	2x 1280x1024	2-ft VGA-to-VGA (analog) monitor cable, USB cable	3.8"x 3.6"x0.94" (9.6x9.2x2.4cm)	—	—
DualHead2Go Digital Edition	D2G-A2D-IF	—	2	2	2	VGA x 1 (input) DVI-I x 2 (outputs) USB x 1	—	2x 1920x1200	2x 1920x1200	2-ft VGA-to-VGA (analog) monitor cable, USB cable, 2-ft DVI-to-VGA monitor cable.	4.4"x5.5"x1.1" (11.3x14x2.8cm)	DVI to VGA adaptor	ADP-DVI-AF
DualHead2Go DP Edition	D2G-DP-IF	2	2[11]	2[11]	2	DP x 1 (input) DP x 2 (outputs) USB x 1	2x 1920x1200	2x 1920x1200	—	DP-to-DP input cable, USB cable	3.5" x 3.8" x 1.1"	DisplayPort to HD15 DisplayPort to DVI MiniDisplayPort to DisplayPort	CAB-DP-VGAF CAB-DP-DVIF CAB-MDP-DPF
TripleHead2Go Analog Edition	T2G-A3A-AJF[9] T2G-A3A-EUF[9] T2G-A3A-FEF[9]	—	—	3	3	VGA x 4 (1 input, 3 outputs) DC power input x 1	—	—	3x 1280x1024 2x 1680x1050	2-ft VGA-to-VGA monitor cable, 2-ft DVI-to-VGA monitor cable, external 5VDC power adapter, region-specific power cable(s)	3.8"x4.2"x0.94" (9.6x10.7x2.4cm)	—	—
TripleHead2Go Digital Edition	T2G-D3D-IF	—	3	3	3	VGA x 1 (input) DVI-DL x 1 (input) DVI-I x 3 (outputs) USB x 1	—	3x 1680x1050[10] 2x 1920x1200	3x 1280x1024 2x 1680x1050	2-ft VGA-to-VGA monitor cable, 2-ft DVI-to-DVI monitor cable USB cable	4.4"x5.5"x1.1" (11.3x14x2.8cm)	DVI to VGA adaptor	ADP-DVI-AF
TripleHead2Go DP Edition	T2G-DP-IF	3	3[11]	3[11]	3	DP x 1 (input) DP x 3 (outputs) USB x 1	3x 1680x1050 2x 1920x1200	3x 1680x1050 2x 1920x1200	—	DP-to-DP input cable, USB cable	3.5" x 3.8" x 1.1"	DisplayPort to HD15 DisplayPort to DVI MiniDisplayPort to DisplayPort	CAB-DP-VGAF CAB-DP-DVIF CAB-MDP-DPF

[1] The resolution & refresh rate of each display must be the same. [2] Supports independent resolutions on two displays. [3] Cable pricing details available at www.matrox.com/graphics [4] 1920x1200 supported with quad analog upgrade cable [5] LFH-60 to 4xHD15 cable upgrade required [6] LFH-60 to dual DVI-I cable upgrade required [7] Supported on primary display only [8] Maximum resolution supported is system dependent, please visit www.matrox.com/graphics/en/support/gpm for details.
[9] The part number for North America and Japan uses "AJ" while the part number for Europe and the rest of Asia uses "EU" or "FE", respectively. [10] Available when TripleHead2Go Digital Edition is connected to the system's dual-link DVI output with Windows XP and Vista operating systems. [11] Using optional adapter cable (sold separately).

Visit www.matrox.com/graphics for all software and hardware upgrade options and complete product line details.

Multi-Channel Digital Extension

Transfer multiple channels of content along a single copper-based cable with over 100m of extension per component across an unlimited number of iterations, with zero loss to image quality.

Product	Part Number	Max. # of Displays			Connectors	Maximum Resolutions (Per Display)		Dimensions
		Digital	Analog	Total		Digital	Analog	
Veos Master Unit	VS-MSTR-0F	—	—	—	1 DVI-D input, 1 HD15 input, 1 serial input (DB-9) 1 coax output (BNC), 1 USB connector	1920x1200	1920x1200	6.63”x5.19”x1.25” (16.84x13.18x3.18cm)
Veos Display Unit	VS-DSPL-0F	2	2	2	1 coax input (BNC), 2 DVI-I outputs[1], 1 serial output (DB-9) 1 coax output (BNC), 1 USB connector	1920x1200	1920x1200	6.63”x5.19”x1.25” (16.84x 13.18x 3.18cm)
Veos Repeater Unit	VS-RPTR-0F	—	—	—	1 coax input (BNC), 2 coax output (BNC) 1 RJ 45 input, 2 RJ 45 outputs (power*) *Used for power (PoE)	—	—	6.63”x5.19”x1.25” (16.84x 13.18x 3.18cm)

[1] DVI-to-HD15 adapter included in the box.

Remote Graphics Units

Separate standard peripherals — keyboard, video and mouse — from the computer by up to 250m (820ft) with fiber-optic cabling to deliver a user experience with less noise, less heat and more workspace.

Product	Part Number	Max. # of Displays			Graphics Memory	Connectors	Maximum Resolutions (Per Display)		Dimensions
		Digital	Analog	Total			Digital	Analog	
Extio F1220	XTO-F1220F	2	2	2	128MB	2 DVI-D, 2 HD15, 6 USB 2.0 ports, digital and analog audio connectors, dual-LC fiber-optic connector, power input, 2 FireWire ports	1920x1200	1920x1200	11.8”x1.2”x5.6” (30.0x2.9 x14.2cm)
Extio F1240	XTO-F1240F	2	2	2	128MB	2 dual-link DVI-D, 2 HD15, 6 USB 2.0 ports, digital and analog audio connectors, dual-LC fiber-optic connector, power input	2560x1600	1920x1200	11.8”x1.2”x5.6” (30.0x2.9x14.2cm)
Extio F1400	XTO-F1400F	4	4	4	128MB	4 DVI-I connectors[1], 6 USB 2.0 ports, digital and analog audio connectors, dual-LC fiber-optic connector, power input	1920x1200	1920x1200	11.8”x1.2”x5.6” (30.0x2.9x14.2cm)
Extio F1420	XTO-F1420F	4	4	4	128MB	4 DVI-I connectors[1], 6 USB 2.0 ports, digital and analog audio connectors, dual-LC fiber-optic connector, power input, 2 FireWire ports	1920x1200	1920x1200	11.8”x1.2”x5.6” (30.0x2.9x14.2cm)

[1] Four DVI-to-HD15 adapters included in the box.
Note: Fiber-optic cable and Matrox interface card for either PCI (part #: XTOA-FP66LPAF) or PCIe (part #: XTOA-FESLPAF) sold separately. Contact Matrox for compatibility information.

Leader in Multi-Display Graphics Technology

Matrox Graphics focuses on designing graphics solutions for industries that require stable, high-reliability products. Long product life-cycles, ease of deployment in corporate environments, and feature sets aimed at solving specific, real-world business issues are what set us apart. In-house design expertise, top-to-bottom manufacturing, and dedicated customer support make our solutions the premier choice in industries that require stable, high-reliability products. Fortune 1000 companies rely on our multi-display solutions dual, quad, and beyond to increase productivity and improve decision-making by enabling them to see more and do more.

Graphics solutions for:

- Security
- Control Room Workstations
- Business Productivity
- Financial Trading
- Video Display Wall
- Digital Signage
- Medical Imaging
- Specialized Applications
- Embedded Systems
- Navigation Systems
- Air Traffic Management
- Simulation
- Command and Control
- Public Safety

Learn More or Purchase

Matrox Graphics offers a wide range of specialized graphics solutions for professional markets such as security, finance, digital media, medical imaging, and enterprise computing. For more information about the entire Matrox Graphics product line, visit www.matrox.com/graphics.

To locate the local office nearest you, visit www.matrox.com/graphics/contact. For product support, contact your Matrox representative or visit www.matrox.com/graphics/support.

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